

1. 4,821,215, Apr. 11, 1989, Monitoring equipment for adverse environments; Steven J. Woodward, 364*550; 73*620; 340*815; 31; 364*561, 571.03; 367*908
[IMAGE AVAILABLE]

2. 4,819,149, Apr. 4, 1989, Distributed control system; Paul S. Sandland, et al., 364*132, 200

3. 4,815,190, Mar. 28, 1989, Method for automated assembly of assemblies such as automotive assemblies; Anthony R. Haba, Jr., et al., 29*430; 701; 783, 784, 787; 198*346.1, 465.1; 414*277, 281, 331, 416

X 4. 4,805,089, Feb. 14, 1989, Process control interface system for managing measurement data; Leslie A. Lane, et al., 364*188, 200, 551.01

5. 4,786,847, Nov. 22, 1988, Digital control for multiaxis robots; Kenneth E. Daggett, et al., 318*568, 574; 364*513; 901*3, 22, 23

X 6. 4,754,410, Jun. 28, 1988, Automated rule based Process control method with feedback and apparatus therefor; William J. Leech, et al., 364*513, 148, 151, 158, 165

X 7. 4,734,856, Mar. 29, 1988, Autogeneric system; Dannie E. Davis, 364*300, 513

8. 4,718,025, Jan. 5, 1988, Computer management control system; Paul S. Minor, et al., 364*550; 340*721; 364*518

X 9. 4,716,528, Dec. 29, 1987, Method for managing lock escalation in a multiprocessing, multiprogramming environment; Richard A. Crus, et al., 364*300

10. 4,689,736, Aug. 25, 1987, Distributed Process control system; Stephen P. Glaudel, et al., 364*140, 132, 138, 141

11. 4,679,137, Jul. 7, 1987, Process control interface system for designer and operator; Leslie A. Lane, et al., 364*188; 340*706; 364*200

12. 4,667,190, May 19, 1987, Two axis fast access memory; Karl M. Fant, 340*747, 727, 798

X 13. 4,663,704, May 5, 1987, Universal Process control device and method for developing a Process control loop program; Donald J. Jones, et al., 364*188, 138, 146, 147, 180, 191, 900

14. 4,648,064, Mar. 3, 1987, Parallel Process controller; Richard E. Morley, 364*900, 921.4, 921.8, 926.9, 928, 928.3, 928.4, 931, 931.4, 942.3, 942.4, 949, 957, 957.2

15. 4,645,459, Feb. 24, 1987, Computer generated synthesized imagery; Carl P. Graf, et al., 434*43, 38

16. 4,644,172, Feb. 17, 1987, Electronic control of an automatic wafer inspection system; Paul Sandland, et al., 250*548; 356*400

18. 4,607,325, Aug. 19, 1986, Discontinuous optimization procedure modelling the run-idle status of plural process components; Brian C. Horn, 364*151, 150, 153, 156, 180, 494, 495

19. 4,607,256, Aug. 19, 1986, Plant management system; Russell A. Henzel, 340*825.52, 825.05; 364*133, 138, 186, 187; 370*85

20. 4,591,967, May 27, 1986, Distributed drum emulating programmable controller system; Donald A. Mattes, et al., 364*132, 200, 222.2, 222.3, 229.

229.1, 229.4, 230, 230.4, 236.1, 237.2, 237.5, 238.3, 238.4, 245.9, 248, 264, 264.1, 264.2, 265, 266, 270, 270.4, 271, 271.2, 273, 273.1, 273.2, 273.4, 284, 284.3, 284.4, 285, 286, 286.4

21. 4,589,068, May 13, 1986, Segmented debugger; Roger J. Heinen, Jr., 364*300, 200, 228.3, 229, 229.2, 230, 230.3, 234, 237.2, 240.1, 240.8, 240.9, 262.4, 264, 264.5, 265, 267, 267.91, 280, 280.4, 280.7, 284, 284.3, 285, 285.4, 286.1, 286.2; 371*19

22. 4,588,872, May 13, 1986, Self-guided welding machine; John G. Bollinger, et al., 219*124.34, 125.1; 318*575

23. 4,570,217, Feb. 11, 1986, Man machine interface; Bruce S. Allen, et al., 364*188, 191, 900, 919, 921.4, 921.8, 921.9, 926, 926.9, 927.3, 927.4, 928, 929.2, 929.3, 949, 949.3, 959.1, 968

24. 4,566,061, Jan. 21, 1986, Method and means of manual input of programs

into ~~Industrial Process~~ programmable ~~Controller~~ systems; Ralph Ogden, et al., 364*146, 181, 189, 191

25. 4,553,202, Nov. 12, 1985, User controlled dialog resource switching in a multi-tasking word processor; Nicholas Trufyn, 364*200, 225, 225.6, 230, 230.2, 230.3, 234, 235, 236.2, 237.2, 237.3, 239, 239.6, 241.2, 242.4, 244, 244.3, 280, 281, 281.3, 281.4, 281.6, 281.7

26. 4,527,271, Jul. 2, 1985, ~~Process Control~~ system with improved fault isolation; Donald D. Hallee, et al., 371*20; 364*184, 186

27. 4,511,791, Apr. 16, 1985, Electronic balance meter; Avinash J. Desai, et al., 219*497; 65*12, 162, 164; 219*483, 486, 501, 508; 364*482

28. 4,509,117, Apr. 2, 1985, Communications network access rights arbitration; Simon Korowitz, 364*200, 221.9, 222.2, 229, 229.3, 232.8, 234, 235, 236.2, 237.2, 237.3, 240.6, 240.8, 240.9, 241.8, 242.6, 242.92, 242.94,

248.1, 264, 264.6, 265, 265.1, 284, 284.4

29. 4,501,021, Feb. 19, 1985, Fiber optic data highway; Edward L. Weiss, 455*601; 370*1, 88; 455*607, 612

30. 4,495,568, Jan. 22, 1985, Apparatus for the control and monitoring of power supply sources for data processing systems; Takats Gilbert, et al., 364*200, 221, 221.7, 232.7, 232.8, 237.2, 243, 244, 244.6, 265, 266.6, 267, 267.5, 273.4

31. 4,493,105, Jan. 8, 1985, Method and apparatus for visual image processing; Donald L. Beall, et al., 382*21; 358*107; 382*25

32. 4,490,848, Dec. 25, 1984, Method and apparatus for sorting corner points

33. 4,484,303, Nov. 20, 1984, Programmable controller; Salvatore R.

Provanzano, et al., 364*900, 147, 926.9, 927.2, 928, 929.2, 933, 933.4, 933.7, 940, 940.1, 940.2, 940.4, 946.2, 949, 949.3, 953, 953.4, 962, 964, 964.2, 965, 965.4

34. 4,482,980, Nov. 13, 1984, Hybrid optical/electrical data highway; Simor Korowitz, et al., 364*900, 919, 921.4, 921.8, 927.2, 927.4, 927.8, 928, 931, 931.4, 935, 935.2, 935.7, 940, 940.1, 940.5, 943.9, 943.91, 944.2; 455*606

35. 4,431,988, Feb. 14, 1984, Microprocessor-based keyboard/display unit for configuring control instruments; Anthony J. Molusis, et al., 340*712, 286M, 717, 721, 825.22; 341*23, 33; 400*120, 479

36. 4,417,303, Nov. 22, 1983, Multi-processor data communication bus structure; Simon Korowitz, et al., 364*200, 221, 221.9, 222.2, 228.3, 232.7, 232.8, 232.91, 238.5, 238.6, 239, 239.6, 239.7, 240, 240.1, 240.3, 240.4, 242.1, 242.6, 242.92, 244, 244.6, 252, 264, 264.2, 265, 265.4, 266.3, 268, 268.3, 268.7, 280, 280.3, 281.3

37. 4,410,940, Oct. 18, 1983, Transfer of control method and means among hierarchical cooperating sequential processes; Eric D. Carlson, et al., 364*200, 231.4, 231.6, 262.4, 262.5, 271, 271.3, 280, 280.1, 280.4, 281.3, 281.4, 300

38. 4,403,297, Sep. 6, 1983, **Process control** system prover; Vincent V. Tivy, 364*579; 324*73R; 364*481

39. 4,389,706, Jun. 21, 1983, Digital computer monitored and/or operated system or process which is structured for operation with an improved automatic programming process and system; John W. Gomola, et al., 364*130, 200, 226.7, 227.4, 231.4, 231.6, 237.8, 241.2, 241.3, 241.5, 259, 259.3, 260, 260.1, 260.4, 260.6, 281.3, 281.6, 281.8, 282.1, 282.3, 283.1, 468, 492, 550

40. 4,351,023, Sep. 21, 1982, **Process control** system with improved system security features; Donald K. Richer, 364*187, 134; 371*9

41. 4,307,447, Dec. 22, 1981, Programmable controller; Salvatore R. Provanzano, et al., 364*200, 221.9, 222, 228.5, 230, 230.3, 231.4, 231.6, 231.8, 232.7, 234, 234.4, 238.3, 242, 242.1, 242.3, 242.94, 243, 243.4, 243.41, 244, 244.3, 244.8, 244.9, 245, 245.1, 254, 254.3, 255.1, 255.2, 255.3, 260.4, 260.7, 261, 262, 262.1, 265, 267, 267.4, 270, 270.3, 280, 280.8

42. 4,303,973, Dec. 1, 1981, **Industrial process control** system; Robert A. Williamson, Jr., et al., 364*189; 340*706, 711, 712, 722; 364*138, 185

43. 4,227,245, Oct. 7, 1980, Digital computer monitored system or process which is configured with the aid of an improved automatic programming system; Warren A. Edblad, et al., 364*468, 200, 221, 221.2, 221.7, 221.9, 222.81, 222.82, 224, 224.2, 230, 230.1, 230.3, 230.4, 234, 235, 237.2, 237.8, 238, 242.1, 245, 245.1, 248, 248.1, 248.3, 259, 259.5, 262.4, 262.5, 267.9, 280, 281.3, 281.7, 281.8, 282.1, 282.3, 283.1, 300

44. 4,219,881, Aug. 26, 1980, Digital input control circuit; Lowell D. Wilske, 364*900, 920, 921.4, 926, 926.9, 927.2, 927.5, 927.8, 931, 931.4, 940, 940.1, 940.2, 940.3, 940.4, 940.5, 940.6, 940.7, 940.8, 940.9, 941, 941.1, 941.2, 941.3, 941.4, 941.5, 941.6, 941.7, 941.8, 941.9, 942, 942.1, 942.2, 942.3, 942.4, 942.5, 942.6, 942.7, 942.8, 942.9, 943, 943.1, 943.2, 943.3, 943.4, 943.5, 943.6, 943.7, 943.8, 943.9, 944, 944.1, 944.2, 944.3, 944.4, 944.5, 944.6, 944.7, 944.8, 944.9, 945, 945.1, 945.2, 945.3, 945.4, 945.5, 945.6, 945.7, 945.8, 945.9, 946, 946.1, 946.2, 946.3, 946.4, 946.5, 946.6, 946.7, 946.8, 946.9, 947, 947.1, 947.2, 947.3, 947.4, 947.5, 947.6, 947.7, 947.8, 947.9, 948, 948.1, 948.2, 948.3, 948.4, 948.5, 948.6, 948.7, 948.8, 948.9, 949, 949.1, 949.2, 949.3, 949.4, 949.5, 949.6, 949.7, 949.8, 949.9, 950, 950.1, 950.2, 950.3, 950.4, 950.5, 950.6, 950.7, 950.8, 950.9, 951, 951.1, 951.2, 951.3, 951.4, 951.5, 951.6, 951.7, 951.8, 951.9, 952, 952.1, 952.2, 952.3, 952.4, 952.5, 952.6, 952.7, 952.8, 952.9, 953, 953.1, 953.2, 953.3, 953.4, 953.5, 953.6, 953.7, 953.8, 953.9, 954, 954.1, 954.2, 954.3, 954.4, 954.5, 954.6, 954.7, 954.8, 954.9, 955, 955.1, 955.2, 955.3, 955.4, 955.5, 955.6, 955.7, 955.8, 955.9, 956, 956.1, 956.2, 956.3, 956.4, 956.5, 956.6, 956.7, 956.8, 956.9, 957, 957.1, 957.2, 957.3, 957.4, 957.5, 957.6, 957.7, 957.8, 957.9, 958, 958.1, 958.2, 958.3, 958.4, 958.5, 958.6, 958.7, 958.8, 958.9, 959, 959.1, 959.2, 959.3, 959.4, 959.5, 959.6, 959.7, 959.8, 959.9, 960, 960.1, 960.2, 960.3, 960.4, 960.5, 960.6, 960.7, 960.8, 960.9, 961, 961.1, 961.2, 961.3, 961.4, 961.5, 961.6, 961.7, 961.8, 961.9, 962, 962.1, 962.2, 962.3, 962.4, 962.5, 962.6, 962.7, 962.8, 962.9, 963, 963.1, 963.2, 963.3, 963.4, 963.5, 963.6, 963.7, 963.8, 963.9, 964, 964.1, 964.2, 964.3, 964.4, 964.5, 964.6, 964.7, 964.8, 964.9, 965, 965.1, 965.2, 965.3, 965.4, 965.5, 965.6, 965.7, 965.8, 965.9, 966, 966.1, 966.2, 966.3, 966.4, 966.5, 966.6, 966.7, 966.8, 966.9, 967, 967.1, 967.2, 967.3, 967.4, 967.5, 967.6, 967.7, 967.8, 967.9, 968, 968.1, 968.2, 968.3, 968.4, 968.5, 968.6, 968.7, 968.8, 968.9, 969, 969.1, 969.2, 969.3, 969.4, 969.5, 969.6, 969.7, 969.8, 969.9, 970, 970.1, 970.2, 970.3, 970.4, 970.5, 970.6, 970.7, 970.8, 970.9, 971, 971.1, 971.2, 971.3, 971.4, 971.5, 971.6, 971.7, 971.8, 971.9, 972, 972.1, 972.2, 972.3, 972.4, 972.5, 972.6, 972.7, 972.8, 972.9, 973, 973.1, 973.2, 973.3, 973.4, 973.5, 973.6, 973.7, 973.8, 973.9, 974, 974.1, 974.2, 974.3, 974.4, 974.5, 974.6, 974.7, 974.8, 974.9, 975, 975.1, 975.2, 975.3, 975.4, 975.5, 975.6, 975.7, 975.8, 975.9, 976, 976.1, 976.2, 976.3, 976.4, 976.5, 976.6, 976.7, 976.8, 976.9, 977, 977.1, 977.2, 977.3, 977.4, 977.5, 977.6, 977.7, 977.8, 977.9, 978, 978.1, 978.2, 978.3, 978.4, 978.5, 978.6, 978.7, 978.8, 978.9, 979, 979.1, 979.2, 979.3, 979.4, 979.5, 979.6, 979.7, 979.8, 979.9, 980, 980.1, 980.2, 980.3, 980.4, 980.5, 980.6, 980.7, 980.8, 980.9, 981, 981.1, 981.2, 981.3, 981.4, 981.5, 981.6, 981.7, 981.8, 981.9, 982, 982.1, 982.2, 982.3, 982.4, 982.5, 982.6, 982.7, 982.8, 982.9, 983, 983.1, 983.2, 983.3, 983.4, 983.5, 983.6, 983.7, 983.8, 983.9, 984, 984.1, 984.2, 984.3, 984.4, 984.5, 984.6, 984.7, 984.8, 984.9, 985, 985.1, 985.2, 985.3, 985.4, 985.5, 985.6, 985.7, 985.8, 985.9, 986, 986.1, 986.2, 986.3, 986.4, 986.5, 986.6, 986.7, 986.8, 986.9, 987, 987.1, 987.2, 987.3, 987.4, 987.5, 987.6, 987.7, 987.8, 987.9, 988, 988.1, 988.2, 988.3, 988.4, 988.5, 988.6, 988.7, 988.8, 988.9, 989, 989.1, 989.2, 989.3, 989.4, 989.5, 989.6, 989.7, 989.8, 989.9, 990, 990.1, 990.2, 990.3, 990.4, 990.5, 990.6, 990.7, 990.8, 990.9, 991, 991.1, 991.2, 991.3, 991.4, 991.5, 991.6, 991.7, 991.8, 991.9, 992, 992.1, 992.2, 992.3, 992.4, 992.5, 992.6, 992.7, 992.8, 992.9, 993, 993.1, 993.2, 993.3, 993.4, 993.5, 993.6, 993.7, 993.8, 993.9, 994, 994.1, 994.2, 994.3, 994.4, 994.5, 994.6, 994.7, 994.8, 994.9, 995, 995.1, 995.2, 995.3, 995.4, 995.5, 995.6, 995.7, 995.8, 995.9, 996, 996.1, 996.2, 996.3, 996.4, 996.5, 996.6, 996.7, 996.8, 996.9, 997, 997.1, 997.2, 997.3, 997.4, 997.5, 997.6, 997.7, 997.8, 997.9, 998, 998.1, 998.2, 998.3, 998.4, 998.5, 998.6, 998.7, 998.8, 998.9, 999, 999.1, 999.2, 999.3, 999.4, 999.5, 999.6, 999.7, 999.8, 999.9

circuit for a computer

based **Process control** system; Steven R. Templeton, 364*200, 221.9, 228.4, 232.7, 232.8, 234, 237.2, 237.4, 237.8, 238, 238.3, 240, 240.1, 245.5, 245.9, 247, 259, 259.2, 264, 264.4, 264.6, 270, 270.1, 554

46. 4,216,528, Aug. 5, 1980, Digital computer implementation of a logic director or sequencer; James D. Robertson, 364*468, 200, 221, 221.2, 221.4, 221.7, 221.9, 222.81, 222.82, 225, 226.8, 226.9, 228.3, 230, 230.1, 230.3, 232.3, 232.7, 232.9, 234, 235, 236, 236.1, 236.2, 236.3, 236.5, 237, 237.2, 237.4, 237.8, 241.2, 248, 248.1, 248.3, 254.9, 258, 258.1, 258.2, 258.3, 259, 259.2, 259.5, 259.7, 259.8, 260, 260.2, 260.4, 260.8, 261.3, 261.4, 261.5, 262.4, 262.5, 264, 264.6, 271, 271.5, 280, 280.2, 281.3, 281.8, 300

47. 4,215,407, Jul. 29, 1980, Combined file and directory system for a **Process control** digital computer system; John W. Gomola, et al., 364*468, 200, 221, 221.2, 221.4, 221.7, 221.9, 222.81, 226.8, 226.9, 228.3, 230, 230.1, 230.2, 230.3, 230.4, 232.3, 234, 235, 236.1, 236.2, 236.3, 237.2, 237.4, 237.8, 242.1, 248, 248.1, 248.3, 254.9, 255.1, 255.2, 258, 258.1, 258.2, 258.3, 259, 259.5, 262.4, 262.5, 264, 280, 280.8, 281.3, 281.7, 281.8, 300

48. 4,215,406, Jul. 29, 1980, Digital computer monitored and/or operated system or process which is structured for operation with an improved automatic programming process and system; John W. Gomola, et al., 364*468, 200, 221, 221.2, 221.4, 221.7, 221.9, 222, 222.81, 222.82, 230, 230.1, 230.3, 234, 237.8, 238.2, 238.3, 241.2, 242.1, 243, 243.2, 245, 245.5, 246, 246.3, 248.1, 251, 251.5, 252, 259, 259.3, 260.4, 260.6, 260.9, 261, 262.4, 262.5, 267, 267.1, 267.2, 267.4, 270.5, 270.8, 300

49. 4,214,153, Jul. 22, 1980, Tape and tape reader arrangement for programmable controllers; Ralph Ogden, 235*376, 441, 443, 445; 434*118

50. 4,195,773, Apr. 1, 1980, Programmable controller system for **industrial** process apparatus; Ralph Ogden, 235*495, 487, 494; 361*352

51. 4,172,280, Oct. 23, 1979, Digital output control circuit; Robert L. Spiesman, 364*143, 184, 900, 921.4, 921.8, 921.9, 926, 926.9, 927.8, 931, 931.4, 935, 935.2, 935.6, 940, 940.1, 940.2, 942.7, 948.1, 948.4, 948.5, 948.91, 949, 959.1, 964, 964.1, 965, 965.5

52. 4,162,536, Jul. 24, 1979, Digital input/output system and method; Richard E. Morley, 364*900, 200, 221.9, 222.2, 228.3, 229, 229.2, 231.9, 232.3, 232.7, 232.8, 234, 235, 236, 236.3, 237, 237.2, 237.3, 237.4, 238, 238.3, 238.5, 240.1, 243, 243.3, 244, 244.6, 245.5, 245.6, 246.6, 246.8, 249, 252, 264, 264.6, 265, 267, 267.5, 273.4, 919, 921.4, 921.8, 926, 926.9, 927.2, 927.4, 927.5, 927.8, 928, 929, 929.2, 930, 931, 931.4, 932, 932.6,

936, 937, 940, 940.1, 940.2, 942, 942.3, 942.4, 943.9, 944.5, 945, 945.1, 948.4, 948.8, 949, 959.1, 964, 964.1, 965, 965.5, 967, 967.1, 969, 969.2; 371*69

53. 4,155,115, May 15, 1979, **Process control** system with analog output control circuit; Lowell D. Wilske, 364*140, 138, 600, 900, 921.4, 926, 926.9, 927.8, 948.3, 949, 959.1, 964, 964.1, 965, 965.5; 370*9, 85, 92

54. 4,064,394, Dec. 20, 1977, Electronic digital **Process controller** having simulated analog control functions; Bruce S. Allen, 364*189, 136, 140, 200, 221, 221.2, 221.4, 221.9, 232.3, 232.7, 232.9, 234, 234.1, 234.2, 234.3, 235, 237.2, 237.4, 237.5, 237.8, 239, 239.7, 240.1, 242, 242.1, 242.4, 243, 243.1, 244, 244.6, 245.5, 245.9, 246.6, 246.9, 258, 258.1, 258.2, 258.3, 259, 259.1, 259.2, 263.2, 264, 264.3, 273.4, 300

55. 4,001,807, Jan. 4, 1977, Concurrent overview and detail display system

having ~~process control~~ capabilities; Perzo Galliaenti,

340*286E, 515, 511, 523, 511, 715, 722; 364*200, 221.9, 237.2, 237.3, 238.3, 243, 243.1, 248, 248.1, 248.5, 249, 513

56. 3,771,000, Jul. 25, 1976, Computer-directed ~~process~~ system with interactive display functions; Nicholas G. (364*200, 711, 739, 799; 364*130, 189, 221.9, 235.6, 225, 234.1, 234.2, 235.1, 237.3, 237.5, 237.8, 238, 239, 239, 244.7, 245, 245.3, 246.3, 246.8, 246.92, 249, 251, 251.1, 259.4, 260, 260.1, 260.3, 260.9, 261.3, 261.4, 262, 262, 271.6, 271.9

57. 3,769,723, Jul. 13, 1976, On-line modification of a Philip H. Kennicott, 364*200, 221.9, 222.81, 222.82, 23, 232.1, 238.3, 239, 239.4, 239.6, 240.1, 241, 242.4, 243, 254.8, 255.1, 255.2, 256.3, 256.6, 258, 259, 259.5, 259.

58. 3,769,722, Jul. 13, 1976, Method and apparatus for interrogation of simulated control circuits; William J. 364*200, 221.9, 231, 231.4, 231.6, 232.3, 237.2, 238.3, 240.1, 241, 243, 243.7, 246, 246.3, 254, 254.6, 254.8, 256.6, 258, 259, 259.5, 259.6, 261.3

59. 3,672,266, Mar. 18, 1975, Control system and method demand of an ~~industrial~~ plant; Richard E. J. Putman, 364*300, 493

=> d his

(FILE USPAT)

SET PAGELENGTH 19

SET LINELENGTH 78

L1 300 S IATA (1W) BASE AND PROCESS (3W) (CONTR
L2 09 S L1 AND INDUSTRIAL

SEARCH REPORT

SN:919060

DATE 22-Apr-89

ID:1

FILE 01

CLASS 364 , SUBCLASS 900

SEARCH LEVEL	SEARCH EQUATION	NUMBER OF HITS
000	*** Total File ***	5980
001	S 202	13
002	D 1 12 wwd/ 12 tot	13
003	S 214	101
004	D 3 4 wwd/ 16 tot	101
005	S 214 AND 740	1
006	D 5 1 wwd/ 17 tot	1
007	D 3 0 wwd/ 17 tot	1
008	D 3 12 wwd/ 25 tot	1

TAGGED DOCUMENTS

(900)AUS4347568

END